

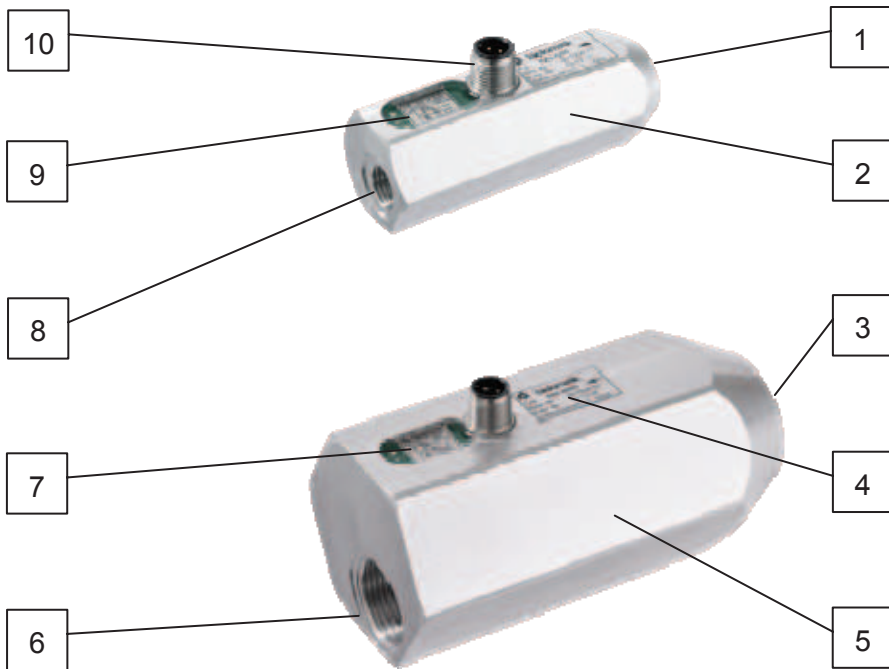
## Data sheet (Translation of the original)

30820602 (08/11)

# Flow regulator SAS

## 1 Application

The flow regulator SAS is a pressure independent and monitored volume flow regulator. It is available from 0.16 l/min to 31.5 l/min and is designed for pipe fitting.



- 1. Connection P
- 2. Valve size 1
- 3. Connection P
- 4. Rating plate
- 5. Valve size 2

- 6. Connection A
- 7. Signal generator
- 8. Connection A
- 9. Signal generator
- 10. Sensor system connection

General

Type	Pipe fitting
Lubrication line connection size	
1	G ¼ "
Size 2	G ¾"
Ambient temperature	0° to 8°C
Installation position	Any
Protection class as per EN60529	IP 67
Weight	
Size 1	0.14 kg
Size 2	0.90 kg
Flow direction	P - A
Filter mesh (stipulated)	25 µm
Application	bielomatik circulation lubrication systems

Hydraulic system

Operating pressure	100 bar
Displacement	
Size 1	0.16 – 6.3 l/min
Size 2	7.1 – 31.5 l/min
Operating medium	Mineral oil, synthetic oil
Range of viscosity	10 to 750 mm²/s

Sensor system

Function monitoring	
Nominal voltage	24 V DC
Switching current	≤ 130 mA
Connection	M12 x 1; 4-pole

3

Dimensions

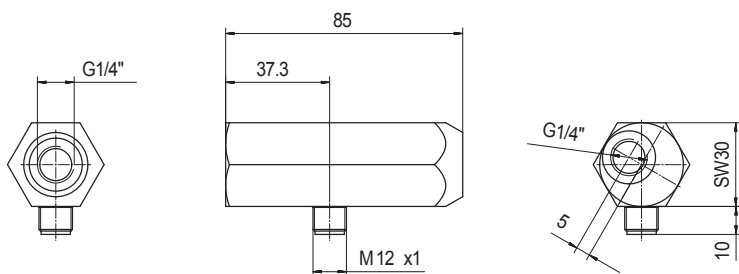


Fig. 1, size 1

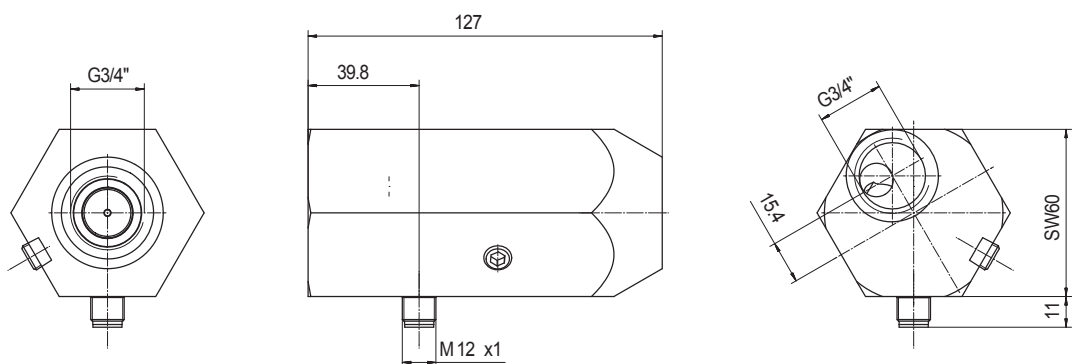
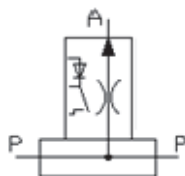
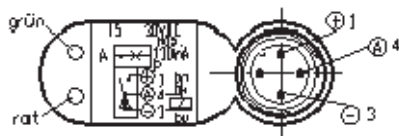


Fig. 2, size 2

Piping diagram



Sensor system connection assignment



## 4 Interfaces

Interface Type	Interface Format	Signal
Valve input Size 1 P Size 2 P	G ¼" G ¾"	Operating medium
Valve output Size 1 A Size 2 A	G ¼" G ¾"	Operating medium
Sensor system connection	M12 x 1	24 V DC

## 5 Spare parts

Order number	Designation
-	none

## 6 Accessory parts

Order number	Designation
672 02 034	Cable socket M12 x 1 with 5 m cable

## 7 Scope of Application

Order number	Fig.	Discharge rate [l/min]	Designation
300 20 675	1	0,16	SAS 0160
300 20 677	1	0,25	SAS 0250
300 20 679	1	0,40	SAS 0400
300 20 680	1	0,50	SAS 0500
300 20 681	1	0,63	SAS 0630
300 20 683	1	1,00	SAS 1000
300 20 684	1	1,25	SAS 1250
300 20 685	1	1,60	SAS 1600
300 20 686	1	2,00	SAS 2000
300 20 687	1	2,50	SAS 2500
300 20 688	1	3,15	SAS 3150
300 20 689	1	4,00	SAS 4000
300 20 690	1	5,00	SAS 5000
300 20 691	1	6,30	SAS 6300
300 20 651	2	7,10	SAS 07100
300 20 652	2	8,00	SAS 08000
300 20 654	2	10,00	SAS 10000
300 20 656	2	12,50	SAS 12500
300 20 657	2	14,00	SAS 14000
300 20 658	2	16,00	SAS 16000
300 20 659	2	18,00	SAS 18000
300 20 660	2	20,00	SAS 20000
300 20 662	2	25,00	SAS 25000
300 20 664	2	31,50	SAS 31500